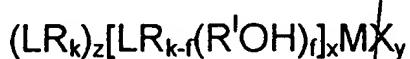
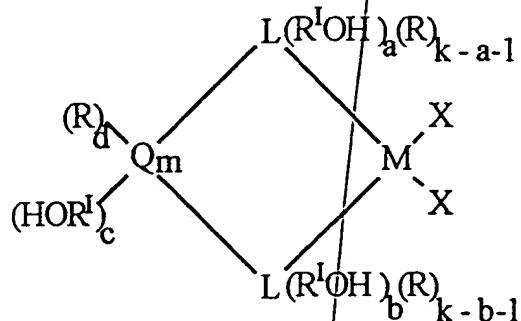


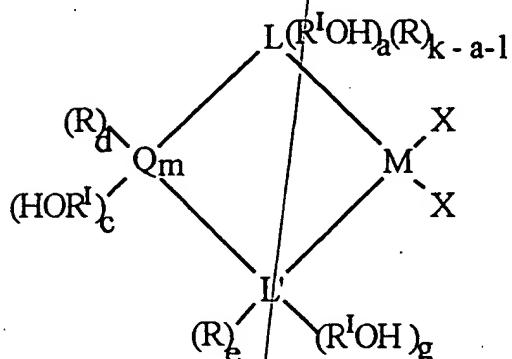
SAC
 1. (amended once) A heterogeneous [Heterogeneous] catalytic component obtainable by reacting a porous inorganic support with a metallocene compound, wherein [characterized in that] the metallocene compound is defined by [the following general formulas] formula I, II, or III:



I,



II, or



III,

wherein:

~~the L groups are[,] equal to or different from each other, wherein each L is selected from the group [comprising] consisting of: cyclopentadienyl, indenyl, tetrahydroindenyl, fluorenyl, octahydrofluorenyl, and [or] benzoindenyl;~~

(B1) Com
~~each R is independently [selected from] hydrogen, linear or branched C₁-C₂₀ alkyl, linear or branched C₃-C₂₀ cycloalkyl, linear or branched C₆-C₂₀ aryl, linear or branched C₃-C₂₀ alkenyl, linear or branched C₇-C₂₀ arylalkyl, linear or branched C₇-C₂₀ alkylaryl, linear or branched C₈-C₂₀ arylalkenyl, [linear or branched, optionally substituted by 1 to 10 halogen atoms,] or a group SiR^{II}₃, wherein the C₁-C₂₀ alkyl, the C₃-C₂₀ cycloalkyl, the C₆-C₂₀ aryl, the C₃-C₂₀ alkenyl, the C₇-C₂₀ arylalkyl, the C₇-C₂₀ alkylaryl, and the C₈-C₂₀ arylalkenyl are optionally substituted with 1 to 10 halogen atoms; ;~~

~~the [each] R^I groups are[,] equal to or different from each other, wherein each R^I is a divalent aliphatic or aromatic hydrocarbon group containing from 1 to 20 carbon atoms, optionally containing from 1 to 5 heteroatoms of groups 14 to 16 of the [periodic table] Periodic Table of the [elements] Elements, and optionally containing boron;~~

~~each Q is independently [selected from] B, C, Si, Ge, or Sn;~~

~~M is a lanthanide, an actinide, or a metal of group 3, 4, or 10 of the Periodic Table, Lanthanide or Actinide] of the Elements, and M has a valence;~~

~~each X is independently [selected from:] hydrogen, chlorine, bromine, OR^{II}, NR^{II}₂, C₁-C₂₀ alkyl, or C₆-C₂₀ aryl ;~~

*(B1
C1)*

each R^{II} is independently [selected from] linear or branched C_1-C_{20} alkyl, linear or branched C_3-C_{20} cycloalkyl, linear or branched C_6-C_{20} aryl, linear or branched C_3-C_{20} alkenyl, linear or branched C_7-C_{20} arylalkyl, linear or branched C_7-C_{20} arylalkenyl, or linear or branched C_7-C_{20} alkylaryl[, linear or branched; R^{II} is methyl, ethyl, isopropyl];

L' is N or O;

when L is cyclopentadienyl, k is equal to 5[,]; when L is indenyl, k is equal to 7[,]; when L is fluorenyl or benzoindenyl, k is equal to 9[,]; when L is tetrahydroindenyl, k is equal to 11; and when L is octahydrofluorenyl, k is equal to 17;

z is equal to 0, 1, or 2;

x is equal to 1, 2, or 3;

y is equal to 1, 2, or 3;

$x + y + z$ is equal to the valence of M ;

m is [an integer which can assume the values] equal to 1, 2, 3 or 4;

a [and b are integers] is an integer whose value ranges from 0 to $k-1$;

b is an integer whose value ranges from 0 to $k-1$:

f is an integer whose value ranges from 1 to k ;

g is [an integer whose value ranges from] equal to 0 to 1;

c [and e are] is equal to 0 or 1;

e is equal to 0 or 1

$a + b + c$ is at least 1;

$a + g + c$ is at least 1;

d is equal to 0, 1, or 2;

when Q is B , then $c + d = 1$;

when Q is C, Si, Ge, or Sn, then $c + d = 2$;

when L' is N, then $g + e = 1$; and

when L' is O, then $g = 0$ and $e = 0$.

Sub E2

2. (amended once) A heterogeneous [Heterogeneous] catalytic component according to claim 1 wherein R^I is: linear or branched C_1-C_{20} alkylene, linear or branched C_3-C_{20} cycloalkylene, linear or branched C_6-C_{20} arylene, linear or branched C_7-C_{20} alkenyl, linear or branched C_7-C_{20} arylalkylene, [or] linear or branched C_7-C_{20} alkylarylene, [linear or branched,] or a group SiR^{II}_2 ;

*B1
Cont*

3. (amended once) A heterogeneous [Heterogeneous] catalytic component according to claim 1 wherein $R^I OH$ is [selected from:] CH_2-CH_2OH , $CH_2-CH_2-CH_2OH$, $O-CH_2-CH_2OH$, $SiMe_2-CH_2-CH_2OH$, or $SiMe_2-CH_2-CH_2CH_2OH$.

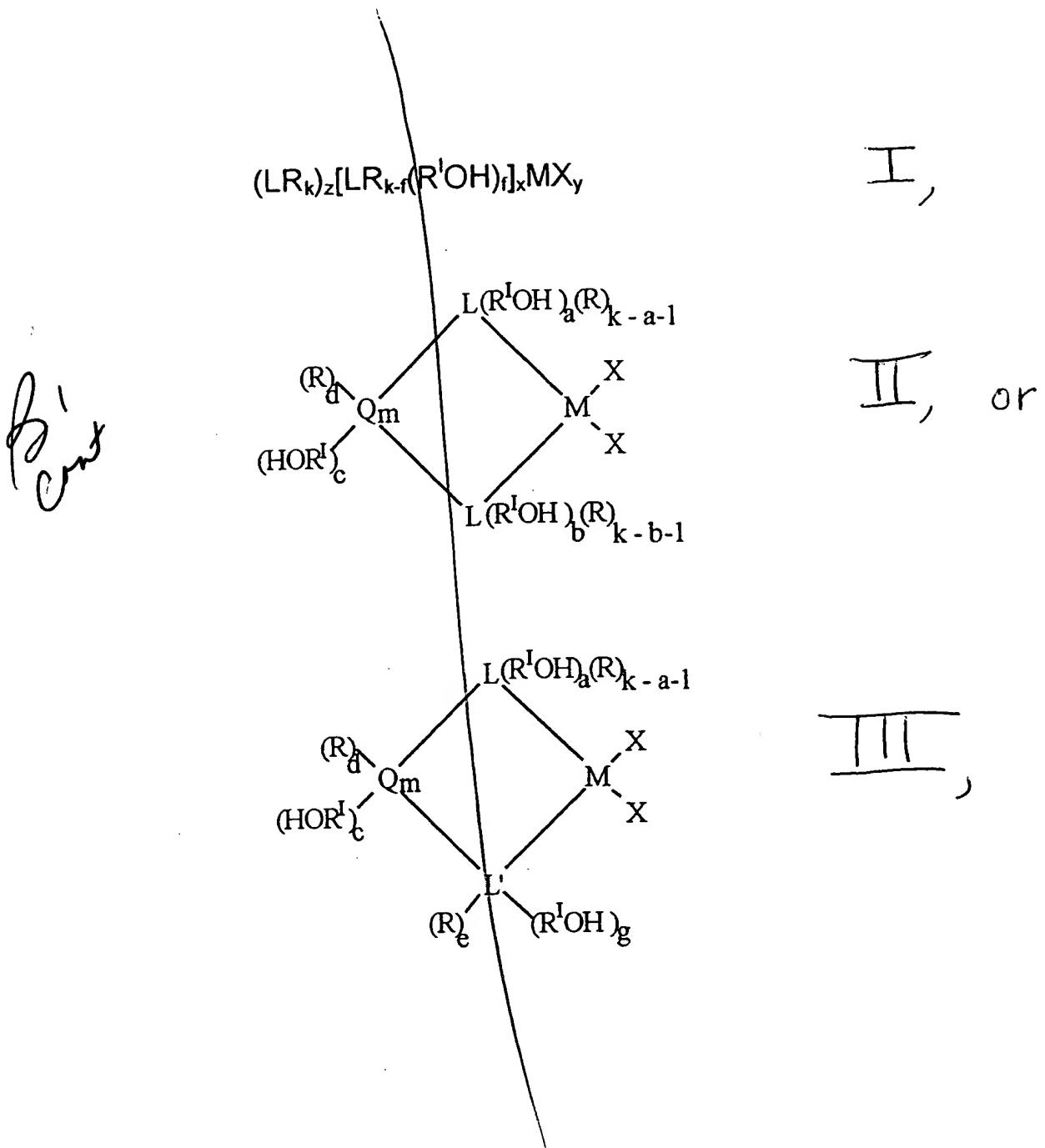
Sub E3

4. (amended twice) A heterogeneous [Heterogeneous] catalytic component according to claim 1 wherein M is titanium, zirconium, or hafnium.

JW

5. (amended twice) A heterogeneous [Heterogeneous] catalytic component according to claim 1 wherein the inorganic support is treated with alumoxane or trialkylaluminum.

6. (amended once) A heterogeneous [Heterogeneous] catalytic component obtainable by reacting an alumoxane or a trialkylaluminum with a metallocene compound [belonging to one of the following general formulas] defined by formula I, II, or III:



wherein:

the L groups are, equal to or different from each other,
wherein each L is selected from the group [comprising] consisting
of: cyclopentadienyl, indenyl, tetrahydroindenyl, fluorenyl,
octahydrofluorenyl, and [or] benzoindenyl;

each R is independently [selected from] hydrogen, linear or
branched C₁-C₂₀ alkyl, linear or branched C₃-C₂₀ cycloalkyl, linear
or branched C₆-C₂₀ aryl, linear or branched C₃-C₂₀ alkenyl, linear
or branched C₇-C₂₀ arylalkyl, linear or branched C₇-C₂₀ alkylaryl,
linear or branched C₈-C₂₀ arylalkenyl, [linear or branched,
optionally substituted by 1 to 10 halogen atoms,] or a group
SiR^{II}₃, wherein the C₁-C₂₀ alkyl, the C₃-C₂₀ cycloalkyl, the C₆-C₂₀
aryl, the C₃-C₂₀ alkenyl, the C₇-C₂₀ arylalkyl, the C₇-C₂₀
alkylaryl, and the C₈-C₂₀ arylalkenyl are optionally substituted
with 1 to 10 halogen atoms; ;

the [each] R^I groups are, equal to or different from each other, wherein each R^I is a divalent aliphatic or aromatic
hydrocarbon group containing from 1 to 20 carbon atoms, optionally
containing from 1 to 5 heteroatoms of groups 14 to 16 of the
[periodic table] Periodic Table of the [elements] Elements, and
optionally containing boron;

each Q is independently [selected from] B, C, Si, Ge, or Sn;
M is a lanthanide, an actinide, or a metal of group 3, 4, or
10 of the Periodic Table[, Lanthanide or Actinide] of the
Elements, and M has a valence;

each X is independently [selected from:] hydrogen, chlorine,
bromine, OR^{II}, NR^{II}₂, C₁-C₂₀ alkyl, or C₆-C₂₀ aryl ;

each R^{II} is independently [selected from] linear or branched
C₁-C₂₀ alkyl, linear or branched C₃-C₂₀ cycloalkyl, linear or

branched C₆-C₂₀ aryl, linear or branched C₃-C₂₀ alkenyl, linear or branched C₇-C₂₀ arylalkyl, linear or branched C₇-C₂₀ arylalkenyl, or linear or branched C₇-C₂₀ alkylaryl[, linear or branched; R^{II} is methyl, ethyl, isopropyl];

L' is N or O;

when L is cyclopentadienyl, k is equal to 5[,]; when L is indenyl, k is equal to 7[,]; when L is fluorenyl or benzoindenyl, k is equal to 9[,]; when L is tetrahydroindenyl, k is equal to 11; and when L is octahydrofluorenyl, k is equal to 17;

z is equal to 0, 1, or 2;

x is equal to 1, 2, or 3;

y is equal to 1, 2, or 3;

x + y + z is equal to the valence of M;

m is [an integer which can assume the values] equal to 1, 2, 3 or 4;

a [and b are integers] is an integer whose value ranges from 0 to k-1;

b is an integer whose value ranges from 0 to k-1;

f is an integer whose value ranges from 1 to k;

g is [an integer whose value ranges from] equal to 0 to 1;

c [and e are] is equal to 0 or 1;

e is equal to 0 or 1;

a + b + c is at least 1;

a + g + c is at least 1;

d is equal to 0, 1, or 2;

when Q is B, then c + d = 1;

when Q is C, Si, Ge, or Sn, then c + d = 2;

when L' is N, then g + e = 1; and

when L' is O, then g = 0 and e = 0.

7. (amended twice) A heterogeneous [Heterogeneous] catalytic component according to claim 6 wherein in the metallocene compound at least one L is a fluorenyl or an octahydrofluorenyl ring.

Sub 80

8. (amended twice) A heterogeneous [Heterogeneous] catalytic system comprising the heterogeneous catalytic component [of] claimed in claim 6 and a cocatalyst selected from the group consisting of: alkylaluminoxane, trilakylaluminum, Lewis [acid] acids, and mixtures thereof.

9. (amended once) A process [Process] for [the] polymerization of alpha olefins in a slurry, in a gas phase, in bulk, or in a solution, wherein the polymerization is catalyzed [characterized] by [the use of] the [catalyst] catalytic system claimed in [of] claim 8.

10. (amended once) A heterogeneous [Heterogeneous] catalytic component according to claim 1 wherein in the metallocene compound at least one L is a fluorenyl or an octahydrofluorenyl ring.

11. (amended once) A heterogeneous [Heterogeneous] catalytic system comprising the heterogeneous catalytic component [of] claimed in claim 1 and a cocatalyst selected from the group consisting of: alkylaluminoxane, trilakylaluminum, Lewis [acid] acids, and mixtures thereof.

12. (amended once) A process [Process] for [the] polymerization of alpha olefins in a slurry, in a gas phase, in bulk, or in a solution, wherein the polymerization is catalyzed [characterized] by [the use of] the [catalyst] catalytic system claimed in [of] claim 11.

Please add the following new claims.

Sub E7
--13. A heterogeneous catalytic component as claimed in Claim 1, wherein R^{II} is methyl, ethyl, or isopropyl.

B2
14. A heterogeneous catalytic component as claimed in Claim 6, wherein R^{II} is methyl, ethyl, or isopropyl.

15. A heterogeneous catalytic component as claimed in Claim 1, wherein the metallocene compound is selected from the group consisting of:

bis(2-hydroxyethyl-cyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(2-hydroxyethyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(3-hydroxypropyl-cyclopentadienyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(3-hydroxypropyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;

bis(2-hydroxy-ethoxy-cyclopentadienyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(2-hydroxy-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(fluorenlyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(9-methyl-fluorenlyl) zirconium dichloride;
E7
bis(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(fluorenlyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(9-methyl-fluorenlyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
B2 Cmt
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(fluorenlyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(9-methyl-fluorenlyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(2-hydroxy-(dimethyl)silyl-cyclopentadienyl) zirconium dichloride;
(2-hydroxy-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(2-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(3-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenlyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenlyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;

Ex
dimethylsilandiylbis(2-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;

dimethylsilandiylbis(3-3-hydroxypropyl-cyclopentadienyl) zirconium dichloride;

dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl) (ciclopentadienil) zirconium dichloride;

dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;

dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;

dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;

dimethylsilandiylbis(2-(2-hydroxy)-ethoxy-cyclopentadienyl) zirconium dichloride;

dimethylsilandiylbis(3-(2-hydroxy)-ethoxy-cyclopentadienyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilandiylbis(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride; dimethylsilandiylbis(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride; dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

E7
dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

*b2
Conf*
dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;

dimethylsilandiylbis(3-(2-hydroxy-(dimethyl)silyl-1-indenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-(dimethyl)silyl-1-indenyl) (1-indenyl)zirconium dichloride;

isopropylidenebis(2-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;

isopropylidenebis(3-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;

isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;
Ex
isopropylidenebis(2-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
B2
Cont
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;
isopropylidenebis(2-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;

isopropylidenebis(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium

dichloride;

isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidene(2-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(2-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;

ethylidenebis(2-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;

ethylidenebis(3-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;

ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;

ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(2-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;

ethylidenebis(3-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;

ethylidene(3-(3-hydroxypropyl)-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;

E7
B2
Cont

ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-3-hydroxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-3-hydroxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-3-hydroxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(2-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl))
zirconium dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl))
zirconium dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium
dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium
dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl))
zirconium dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl))
zirconium dichloride;
dimethylsilanediylbis(1-(2-(2-hydroxyethyl)-indenyl)) zirconium dichloride;

dimethylsilandiylbis(1-(3-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
E7
dimethylsilandiylbis(1-(2-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(2-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
E
*b2
b7c*
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(1-(2-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(1-(2-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-3-hydroxypropyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(1-(2-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

E7
*b2
Cw*

isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidenebis(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethyldenebis(1-(2-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
ethyldenebis(1-(3-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
ethyldene(1-(2-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
ethyldene(1-(3-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
ethyldene(1-(2-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethyldene(1-(3-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethyldene(1-(2-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
ethyldene(1-(3-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
ethyldene(1-(2-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethyldene(1-(3-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethyldenebis(1-(2-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
ethyldenebis(1-(3-3-hydroxypropyl-indenyl)) zirconium dichloride;
ethyldene(1-(2-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
ethyldene(1-(3-3-hydroxypropyl-indenyl))(1-indenyl) zirconium dichloride;
ethyldene(1-(2-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethyldene(1-(3-3-hydroxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

ethylidene(1-(2-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-3-hydroxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
dichloride;
EY
ethylidenebis(1-(2-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
b2
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilylenebis(9-(1-(2-hydroxyethyl)-fluorenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilylenebis(9-(1-(3-hydroxypropyl)- fluorenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenlyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
EY
dimethylsilylenebis(9-(1-(2-hydroxy-ethoxy)-fluorenlyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(9-fluorenlyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
*b2
b7c*
dimethylsilylenebis(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl))(9-fluorenlyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidenebis(9-(1-(2-hydroxyethyl)-fluorenlyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenlyl))(9-fluorenlyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenlyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidenebis(9-(1-(3-hydroxypropyl)-fluorenlyl)) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenlyl))(9-fluorenlyl) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenlyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidenebis(9-(1-(2-hydroxy-ethoxy)-fluorenlyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(9-fluorenlyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidenebis(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl))(9-fluorenlyl) zirconium dichloride;

isopropylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(9-(1-2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-indenyl) zirconium dichloride;

isopropylidene(9-(1-2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

Ex
*b2
c7*
ethylidenebis(9-(1-(2-hydroxyethyl-fluorenly)) zirconium dichloride;

ethylidene(9-(1-(2-hydroxyethyl-fluorenly))(9-fluorenly) zirconium dichloride;

ethylidene(9-(1-(2-hydroxyethyl-fluorenly))(1-(2-methyl-indenyl)) zirconium dichloride;

ethylidene(9-(1-(2-hydroxyethyl-fluorenly))(1-indenyl) zirconium dichloride;

ethylidene(9-(1-(2-hydroxyethyl-fluorenly))(9-(2-methyl-fluorenly)) zirconium dichloride;

ethylidenebis(9-(1-(3-hydroxypropyl-fluorenly)) zirconium dichloride;

ethylidene(9-(1-(3-hydroxypropyl-fluorenly))(9-fluorenly) zirconium dichloride;

ethylidene(9-(1-(3-hydroxypropyl-fluorenly))(1-(2-methyl-indenyl)) zirconium dichloride;

ethylidene(9-(1-(3-hydroxypropyl-fluorenly))(1-indenyl) zirconium dichloride;

ethylidene(9-(1-(3-hydroxypropyl-fluorenly))(9-(2-methyl-fluorenly)) zirconium dichloride;

ethylidenebis(9-(1-(2-hydroxy-ethoxy-fluorenly)) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethoxy-fluorenly))(9-fluorenly) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethoxy-fluorenly))(1-indenyl) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethoxy-fluorenly))(9-(2-methyl-fluorenly)) zirconium dichloride;

ethylidenebis(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenly)) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenly))(9-fluorenly) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenly))(1-(2-methyl-indenyl)) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenly))(1-indenyl) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenly))(9-(2-methyl-fluorenly)) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenly))(1-indenyl) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenly))(9-(2-methyl-fluorenly)) zirconium dichloride;

2-hydroxyethyl(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;

2-hydroxyethyl(methyl)silandiylbis(9-fluorenly) zirconium dichloride;

2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;

2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(9-fluorenly) zirconium dichloride;

2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;

2-hydroxyethyl(methyl)silandiylbis(1-indenyl) zirconium dichloride;

2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
2-hydroxyethyl(methyl)silandiylbis(1-(2-methylbenzoindenyl)) zirconium dichloride;
3-hydroxypropyl(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiylbis(9-fluorenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
3-hydroxypropyl(methyl)silandiylbis(1-indenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methyldenebis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methyldene(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methyldene(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methyldene(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methyldene(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methyldenebis(cyclopentadienyl) zirconium dichloride;

2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(1-indenyl) zirconium dichloride;

2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

EX

2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidenebis(1-indenyl) zirconium dichloride;

1-(2-hydroxyethyl)-ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;

1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

1-(2-hydroxyethyl)-ethylidenebis(1-indenyl) zirconium dichloride;

1-(3-hydroxypropyl)-ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;

1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

1-(3-hydroxypropyl)-ethylidenebis(1-indenyl) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcylopentadienyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methylbenzoindenyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(3-((2-hydroxyethyl)cylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(1-(3-(2-hydroxyethyl)indenyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(cylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(tetramethylcylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-indenyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(9-fluorenyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-(2-methylbenzoindenyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(1-(2-methylbenzoindenyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(3-((3-hydroxypropyl)cylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(1-(3-(3-hydroxypropyl)indenyl) titanium dichloride;
EX
fz
C
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(cylopentadienyl) titanium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(tetramethylcylopentadienyl) titanium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-indenyl) titanium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(9-fluorenyl) titanium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-(2-methylbenzoindenyl) titanium dichloride;
2-hydroxyethyl-methoxy (methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;
EX
b2
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(indenyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-indenyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(tertbutylamido)(1-indenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl (methyl) methylene (tertbutylamido) (tetramethylcyclopentadienyl) titanium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(1-indenyl) titanium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo-(tetramethylcyclopentadienyl) titanium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;

(3-hydroxypropyl)(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;

(3-hydroxypropyl)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;

(3-hydroxypropyl)(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;

(3-hydroxypropyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;

(3-hydroxypropyl)(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;

(3-hydroxypropyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;

2-hydroxyethyl-methoxy(methyl) silandiyl- oxo(cylopentadienyl) titanium dichloride;

2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;

2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;

2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;

2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;

2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;

(2-hydroxyethoxy)(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;

(2-hydroxyethoxy)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;

(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;

(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;

(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;

(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyloxo(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyloxo(tetramethylcyclopentadienyl)
titanium dichloride;
Ex
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyloxo(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyloxo(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyloxo(fluorenly) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyloxo(9-methylfluorenly) titanium dichloride
b2 Cuts
(2-hydroxyethyl)(methyl)silandiylo(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiylo(tertbutylamido)(tetramethylcyclopentadienyl) zirconium
dichloride;
(2-hydroxyethyl)(methyl)silandiylo(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiylo(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiylo(tertbutylamido)(9-fluorenly) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiylo(tertbutylamido)(9-(2-methyl-fluorenly)) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiylo(tertbutylamido)(1-(2-methylbenzoindenyl)) zirconium
dichloride;
(dimethyl)silandiylo(tertbutylamido)(3-((2-hydroxyethyl)cylopentadienyl) zirconium
dichloride;
(dimethyl)silandiylo(tertbutylamido)(1-(3-(2-hydroxyethyl)indenyl) zirconium
dichloride;
(dimethyl)silandiylo(2-(2-hydroxyethyl)amido)(cylopentadienyl) zirconium dichloride;
(dimethyl)silandiylo(2-(2-hydroxyethyl)amido)(tetramethylcyclopentadienyl) zirconium dichloride;
(dimethyl)silandiylo(2-(2-hydroxyethyl)amido)(1-indenyl) zirconium dichloride;
(dimethyl)silandiylo(2-(2-hydroxyethyl)amido)(9-fluorenly) zirconium dichloride;
(dimethyl)silandiylo(2-(2-hydroxyethyl)amido)(1-(2-methylbenzoindenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiylo(tertbutylamido)-(cylopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiylo(tertbutylamido)(tetramethylcyclopentadienyl) zirconium
dichloride;
(3-hydroxypropyl)(methyl)silandiylo(tertbutylamido)(1-indenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiylo(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiylo(tertbutylamido)(9-fluorenly) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiylo(tertbutylamido)(9-(2-methyl-fluorenly)) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiylo(tertbutylamido)-(1-(2-methylbenzoindenyl)) zirconium
dichloride;
(dimethyl)silandiylo(tertbutylamido)(3-((3-hydroxypropyl)cylopentadienyl) zirconium

dichloride;
(dimethyl)silandiyl-(tertbutylamido)(1-(3-(3-hydroxypropyl)indenyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(cylopentadienyl) zirconium dichloride;
Ex
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(tetramethylcylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-indenyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(9-fluorenyl) zirconium dichloride;
B2Cw
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-(2-methylbenzoindenyl) zirconium dichloride;
2-hydroxyethyl-methoxy (methyl)silandiyl-(tertbutylamido)(cylopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
EX
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
B2
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(indenyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-indenyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-fluorenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(tertbutylamido)(1-indenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
Ex
(2-hydroxyethyl)-(dimethyl)silyl (methyl) methylene (tertbutylamido)
(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl))
zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenlyl))
zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo-(tetramethylcyclopentadienyl) zirconium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenlyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenlyl)) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl- oxo(cylopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;

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2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(cyclopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(cyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(9-methylfluorenyl) zirconium dichloride ethylidene(1-(3-(3-hydroxypropyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl)) (cyclopentadienyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(cyclopentadienyl) zirconium dichloride; and
isopropylidene(1-(3-(3-hydroxypropyl)-indenyl)(cyclopentadienyl) zirconium dichloride.

16. A heterogeneous catalytic component as claimed in Claim 6, wherein the metallocene compound is selected from the group consisting of:

bis(2-hydroxyethyl-cyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(2-hydroxyethyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;

bis(3-hydroxypropyl-cyclopentadienyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(3-hydroxypropyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(2-hydroxy-ethoxy-cyclopentadienyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(2-hydroxy-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(2-hydroxy-(dimethyl)silyl-cyclopentadienyl) zirconium dichloride;
(2-hydroxy-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(2-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(3-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
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dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;
dimethylsilandiylbis(2-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl) (ciclopentadienil) zirconium dichloride;
dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;
dimethylsilandiylbis(2-(2-hydroxy)-ethoxy-cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(3-(2-hydroxy)-ethoxy-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;

dimethylsilandiylbis(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;

dimethylsilandiylbis(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;

dimethylsilandiylbis(3-(2-hydroxy-(dimethyl)silyl-1-indenyl) zirconium dichloride;

dimethylsilandiyl(3-(2-hydroxy-(dimethyl)silyl-1-indenyl) (1-indenyl)zirconium dichloride;

isopropylidenebis(2-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;

isopropylidenebis(3-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;

isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
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isopropylidenebis(2-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;
isopropylidenebis(2-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
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isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
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isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(2-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
ethylidenebis(2-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;
ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(2-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
ethylidene(3-(3-hydroxypropyl)-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-3-hydroxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-3-hydroxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-3-hydroxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(2-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl))
zirconium dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl))
zirconium dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium
dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium
dichloride;

ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
dimethylsilandiylbis(1-(2-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(9-fluorenly) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(9-fluorenly) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenly)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenly)) zirconium dichloride;
dimethylsilandiylbis(1-(2-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(9-fluorenly) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(9-fluorenly) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(9-(2-methyl-fluorenly)) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(9-(2-methyl-fluorenly)) zirconium dichloride;
dimethylsilandiylbis(1-(2-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(9-fluorenly) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(9-fluorenly) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenly)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenly)) zirconium dichloride;
dimethylsilandiylbis(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;

dimethylsilandiylbis(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
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dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(1-(2-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(1-(2-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-3-hydroxypropyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidenebis(1-(2-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidenebis(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidenebis(1-(2-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidenebis(1-(2-(3-hydroxypropyl)-indenyl)) zirconium dichloride;

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ethylidenebis(1-(3-3-hydroxypropyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-3-hydroxypropyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-3-hydroxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-3-hydroxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
dichloride;
ethylidenebis(1-(2-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidenebis(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
dimethylsilylenebis(9-(1-(2-hydroxyethyl)-fluorenlyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenlyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilylenebis(9-(1-(3-hydroxypropyl)- fluorenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

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dimethylsilylenebis(9-(1-(2-hydroxy-ethoxy)-fluorenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilylenebis(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(9-(1-(2-hydroxyethyl)-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(9-(1-(3-hydroxypropyl)-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(9-(1-(2-hydroxy-ethoxy)-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
EX
B2C7
ethylidenebis(9-(1-(2-hydroxyethyl-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxyethyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-(2-hydroxyethyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxyethyl-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-(2-hydroxyethyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(9-(1-(3-hydroxypropyl-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-(3-hydroxypropyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-(3-hydroxypropyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-(3-hydroxypropyl-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-(3-hydroxypropyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(9-(1-(2-hydroxy-ethoxy-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethoxy-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethoxy-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethoxy-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethoxy-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxyethyl(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
2-hydroxyethyl(methyl)silandiylbis(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;

2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl(methyl)silndiyl(cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
2-hydroxyethyl(methyl)silandiylbis(1-indenyl) zirconium dichloride;
2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
2-hydroxyethyl(methyl)silandiylbis(1-(2-methylbenzoindenyl)) zirconium dichloride;
3-hydroxypropyl(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiylbis(9-fluorenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
3-hydroxypropyl(methyl)silandiylbis(1-indenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methylidenebis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

2-hydroxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidenebis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidenebis(1-indenyl) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidenebis(cyclopentadienyl) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidenebis(1-indenyl) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidenebis(cyclopentadienyl) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidenebis(1-indenyl) zirconium dichloride;
1-(2-hydroxyethoxy)-ethylidenebis(cyclopentadienyl) zirconium dichloride;
1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;
1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;
1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride

Ex
1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;

fr
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcylopentadienyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methylbenzoindenyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(3-((2-hydroxyethyl)cylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(1-(3-(2-hydroxyethyl)indenyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(cylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(tetramethylcylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-indenyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(9-fluorenyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-(2-methylbenzoindenyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(1-(2-methylbenzoindenyl) titanium
dichloride;
(dimethyl)silandiyl-(tertbutylamido)(3-((3-hydroxypropyl)cylopentadienyl) titanium
dichloride;
(dimethyl)silandiyl-(tertbutylamido)(1-(3-(3-hydroxypropyl)indenyl) titanium
dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(cylopentadienyl) titanium
dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(tetramethylcylopentadienyl) titanium
dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-indenyl) titanium
dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(9-fluorenyl) titanium
dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-(2-methylbenzoindenyl) titanium
dichloride;
2-hydroxyethyl-methoxy (methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl)
titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium
dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium
dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium
dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) titanium
dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyI-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
EX
fz
Cmt
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyI-(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyI-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyI-(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyI-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(indenyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-indenyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(tertbutylamido)(1-indenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;

(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl (methyl) methylene (tertbutylamido)
(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(1-(2-methyl-indenyl))
titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(9-fluorenyl) titanium
dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(9-(2-methyl-fluorenyl))
titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo-(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl- oxo(cylopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;

(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-(2-methyl-fluorenlyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(tetramethylcyclopentadienyl)
titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(fluorenlyl) titanium dichloride;
EX
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(9-methylfluorenlyl) titanium dichloride
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcylopentadienyl) zirconium
dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenlyl) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methylbenzoindenyl)) zirconium
dichloride;
(dimethyl)silandiyl-(tertbutylamido)(3-((2-hydroxyethyl)cylopentadienyl) zirconium
dichloride;
B2
Chlor
(dimethyl)silandiyl-(tertbutylamido)(1-(3-(2-hydroxyethyl)indenyl) zirconium
dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(cylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(tetramethylcylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-indenyl) zirconium dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(9-fluorenlyl) zirconium dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-(2-methylbenzoindenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium
dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenlyl) zirconium dichloride;

(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(1-(2-methylbenzoindenyl) zirconium dichloride;
(dimethyl)silandiyl-(tertbutylamido)(3-((3-hydroxypropyl)cylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(tertbutylamido)(1-(3-(3-hydroxypropyl)indenyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(cylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(tetramethylcylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-indenyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(9-fluorenlyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-(2-methylbenzoindenyl) zirconium dichloride;
2-hydroxyethyl-methoxy (methyl)silandiyl-(tertbutylamido)(cylopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenlyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenlyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-fluorenlyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenlyl)) zirconium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) zirconium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;

(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenlyl)) zirconium dichloride;

(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;

(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-indenyl) zirconium dichloride;

(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;

(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;

(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenlyl)) zirconium dichloride;

(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(indenyl) zirconium dichloride;

(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-indenyl) zirconium dichloride;

(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;

(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-fluorenlyl) zirconium dichloride;

2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;

2-hydroxyethyl-methoxy(methyl)methylen(tertbutylamido)(1-indenyl) zirconium dichloride;

2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;

2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-fluorenyl) zirconium dichloride;

2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(X)
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl (methyl) methylene (tertbutylamido)
(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(1-indenyl) zirconium dichloride;
*b2
Cont*
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(1-(2-methyl-indenyl))
zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(9-(2-methyl-fluorenyl))
zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo-(tetramethylcyclopentadienyl) zirconium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;

2-hydroxyethyl-methoxy(methyl) silandiyl- oxo(cylopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(9-methylfluorenyl) zirconium dichloride
ethylidene(1-(3-(3-hydroxypropyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl)) (cyclopentadienyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(cyclopentadienyl) zirconium dichloride; and
isopropylidene(1-(3-(3-hydroxypropyl))-indenyl(cyclopentadienyl) zirconium dichloride.

17. A heterogeneous catalytic system as claimed in Claim 8,
wherein the metallocene compound is selected from the group
consisting of:

bis(2-hydroxyethyl-cyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(2-hydroxyethyl-cyclopentadienyl)(indenyl) zirconium dichloride;

(2-hydroxyethyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(fluorenlyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(9-methyl-fluorenlyl) zirconium dichloride;
(2-hydroxyethyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(3-hydroxypropyl-cyclopentadienyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(3-hydroxypropyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(fluorenlyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(9-methyl-fluorenlyl) zirconium dichloride;
(3-hydroxypropyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(2-hydroxy-ethoxy-cyclopentadienyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(2-hydroxy-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(fluorenlyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(9-methyl-fluorenlyl) zirconium dichloride;
(2-hydroxy-ethoxy-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(fluorenlyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(9-methyl-fluorenlyl) zirconium dichloride;
(2-hydroxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(fluorenlyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(9-methyl-fluorenlyl) zirconium dichloride;
(3-hydroxy-propyl-(dimethyl)silyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(2-hydroxy-(dimethyl)silyl-cyclopentadienyl) zirconium dichloride;
(2-hydroxy-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;

dimethylsilandiylbis(2-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(3-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl) (ciclopentadienil) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
Ex
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
*B2
Cont*
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;
dimethylsilandiylbis(2-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(3-3-hydroxypropyl-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl) (ciclopentadienil) zirconium dichloride;
dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(2-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(3-3-hydroxypropyl-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;
dimethylsilandiylbis(2-(2-hydroxy)-ethoxy-cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(3-(2-hydroxy)-ethoxy-cyclopentadienyl) zirconium dichloride;

dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxy)-ethoxy-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
Ex
B2
Cont
dimethylsilandiylbis(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
dimethylsilandiylbis(3-(2-hydroxy-(dimethyl)silyl-1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-(2-hydroxy-(dimethyl)silyl-1-indenyl) (1-indenyl)zirconium dichloride;

isopropylidenebis(2-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
Ex
B2
Cont
isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;
isopropylidenebis(2-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-(2methylbenzoindenyl)) zirconium dichloride;
isopropylidenebis(2-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
b2
isopropylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(2-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(2-(2-hydroxy-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
ethylidenebis(2-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(2-hydroxyethyl)-cyclopentadienyl) zirconium dichloride;
ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;
ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

E1
E2
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ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
ethylidene(3-(2-hydroxyethyl)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
ethylidenebis(2-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(3-hydroxypropyl)-cyclopentadienyl) zirconium dichloride;
ethylidene(3-(3-hydroxypropyl)-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-3-hydroxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(3-hydroxypropyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-3-hydroxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(3-hydroxypropyl)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
ethylidene(3-3-hydroxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
ethylidenebis(2-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(2-hydroxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenly)) zirconium dichloride;
ethylidenebis(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl))
zirconium dichloride;

ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
E
ethylidene(2-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-(2-hydroxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
*P2
Cont.*
dimethylsilandiylbis(1-(2-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(2-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(3-hydroxypropyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(2-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(1-(2-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(1-(2-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-3-hydroxypropyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(1-indenyl) zirconium dichloride;

isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(3-hydroxypropyl)-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(1-(3-3-hydroxypropyl-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidenebis(1-(2-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidenebis(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidenebis(1-(2-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-(2-hydroxyethyl)-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidenebis(1-(2-(3-hydroxypropyl)-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-3-hydroxypropyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-3-hydroxypropyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-(3-hydroxypropyl)-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-3-hydroxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(3-hydroxypropyl)-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-3-hydroxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
dichloride;
ethylidenebis(1-(2-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-(2-hydroxy-ethoxy-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethoxy-indenyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
ethylidenebis(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;

ethylidene(1-(2-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(1-(3-(2-hydroxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilylenebis(9-(1-(2-hydroxyethyl)-fluorenlyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenlyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenlyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxyethyl)-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
dimethylsilylenebis(9-(1-(3-hydroxypropyl)- fluorenlyl)) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenlyl))(9-fluorenlyl) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenlyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(3-hydroxypropyl)-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
dimethylsilylenebis(9-(1-(2-hydroxy-ethoxy)-fluorenlyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(9-fluorenlyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethoxy)-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
dimethylsilylenebis(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl))(9-fluorenlyl) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenlyl))(1-indenyl) zirconium dichloride;
isopropylidenebis(9-(1-(2-hydroxyethyl)-fluorenlyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenlyl))(9-fluorenlyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenlyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenlyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxyethyl)-fluorenlyl))(9-(2-methyl-fluorenlyl)) zirconium dichloride;
isopropylidenebis(9-(1-(3-hydroxypropyl)-fluorenlyl)) zirconium dichloride;

isopropylidene(9-(1-(3-hydroxypropyl)-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-(3-hydroxypropyl)-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(9-(1-(2-hydroxy-ethoxy)-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

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isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethoxy)-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidenebis(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(9-(1-(2-hydroxyethyl-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxyethyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-(2-hydroxyethyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxyethyl-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-(2-hydroxyethyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(9-(1-(3-hydroxypropyl-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-(3-hydroxypropyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-(3-hydroxypropyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-(3-hydroxypropyl-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-(3-hydroxypropyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidenebis(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-fluorenyl) zirconium dichloride;

ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-(2-hydroxy-ethyl-(dimethyl)silyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxyethyl(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
2-hydroxyethyl(methyl)silandiylbis(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxyethyl(methyl)silandiylbis(1-indenyl) zirconium dichloride;
2-hydroxyethyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
2-hydroxyethyl(methyl)silandiylbis(1-(2-methylbenzoindenyl)) zirconium dichloride;
3-hydroxypropyl(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiylbis(9-fluorenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
3-hydroxypropyl(methyl)silandiylbis(1-indenyl) zirconium dichloride;
3-hydroxypropyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methylidenebis(cyclopentadienyl) zirconium dichloride;
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2-hydroxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidenebis(cyclopentadienyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(1-indenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxy-ethyl-(dimethyl)silyl-(methyl)methylidenebis(1-indenyl) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidenebis(cyclopentadienyl) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;
1-(2-hydroxyethyl)-ethylidenebis(1-indenyl) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidenebis(cyclopentadienyl) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;
1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-(3-hydroxypropyl)-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

1-(3-hydroxypropyl)-ethylidenebis(1-indenyl) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-(2-hydroxyethoxy)-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-(2-hydroxyethyl)-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcylopentadienyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methylbenzoindenyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(3-((2-hydroxyethyl)cylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(1-(3-(2-hydroxyethyl)indenyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(cylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(tetramethylcylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-indenyl) titanium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(9-fluorenyl) titanium dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-(2-methylbenzoindenyl) titanium dichloride;
(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) titanium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcylopentadienyl) titanium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenly)) titanium dichloride;
(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(1-(2-methylbenzoindenyl) titanium dichloride;
(dimethyl)silandiyl-(tertbutylamido)(3-((3-hydroxypropyl)cylopentadienyl) titanium dichloride;
(dimethyl)silandiyl-(tertbutylamido)(1-(3-(3-hydroxypropyl)indenyl) titanium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(cylopentadienyl) titanium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(tetramethylcylopentadienyl) titanium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-indenyl) titanium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(9-fluorenyl) titanium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-(2-methylbenzoindenyl) titanium dichloride;
2-hydroxyethyl-methoxy (methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcylopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenly)) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;

(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
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(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
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(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(indenyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-indenyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(1-indenyl) titanium dichloride;

2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
Ex
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
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(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(1-indenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(9-fluorenyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;

2-hydroxyethyl-methoxy(methyl) silandiyl- oxo(cylopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;
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(2-hydroxyethoxy)(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(cylopentadienyl) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(tetramethylcyclopentadienyl)
titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(fluorenly) titanium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(9-methylfluorenly) titanium dichloride
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium
dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methylbenzoindenyl)) zirconium
dichloride;
(dimethyl)silandiyl-(tertbutylamido)(3-((2-hydroxyethyl)cylopentadienyl) zirconium
dichloride;
(dimethyl)silandiyl-(tertbutylamido)(1-(3-(2-hydroxyethyl)indenyl) zirconium
dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(cylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(tetramethylcyclopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-indenyl) zirconium dichloride;

(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(9-fluorenyl) zirconium dichloride;
(dimethyl)silandiyl-(2-(2-hydroxyethyl)amido)(1-(2-methylbenzoindenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl)silandiyl(tertbutylamido)-(1-(2-methylbenzoindenyl) zirconium dichloride;
(dimethyl)silandiyl-(tertbutylamido)(3-((3-hydroxypropyl)cylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(tertbutylamido)(1-(3-(3-hydroxypropyl)indenyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(cylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(tetramethylcylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-indenyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(9-fluorenyl) zirconium dichloride;
(dimethyl)silandiyl-(3-(3-hydroxypropyl)amido)(1-(2-methylbenzoindenyl) zirconium dichloride;
2-hydroxyethyl-methoxy (methyl)silandiyl-(tertbutylamido)(cylopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;

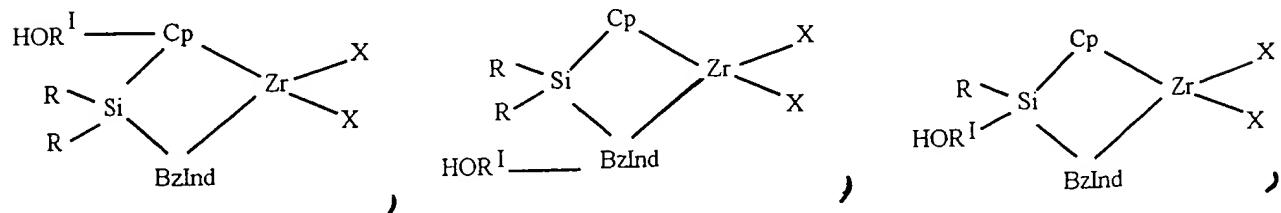
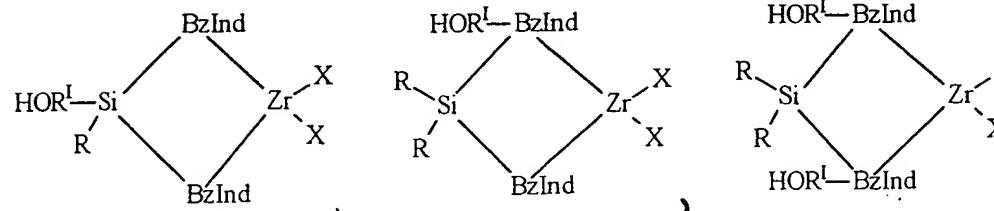
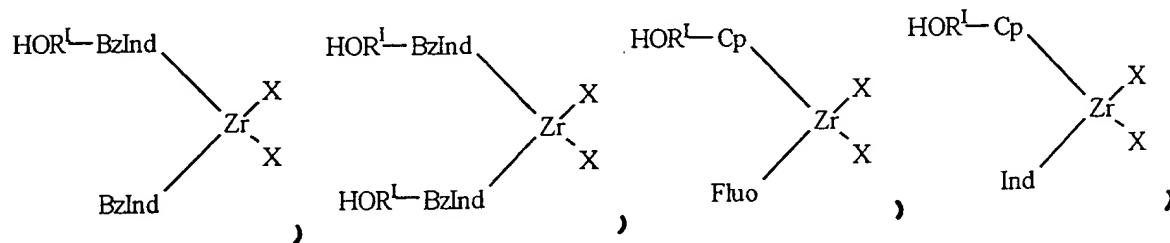
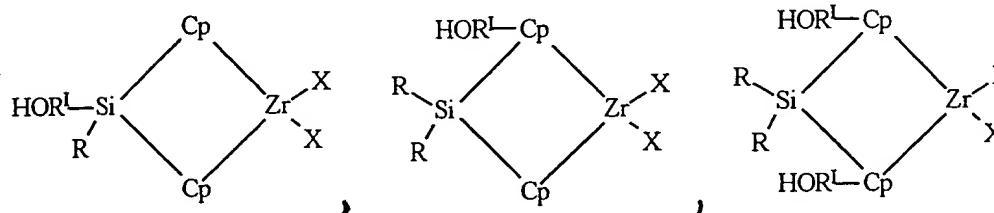
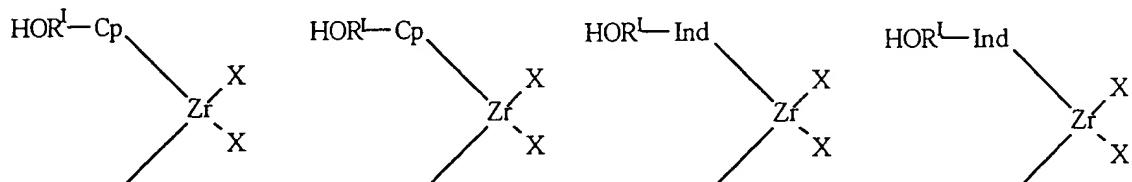
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
EX
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) zirconium dichloride;
B2
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(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(indenyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-indenyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(3-hydroxypropyl)-(methyl)methylene(tertbutylamido)(2-methyl-fluorenyl) zirconium dichloride;

2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(tertbutylamido)(1-indenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl)methylen(-tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
EX
B2
Curr
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethoxy)-(methyl)methylen(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl (methyl) methylene (tertbutylamido)
(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(1-(2-methyl-indenyl))
zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl)methilene(tertbutylamido)(9-(2-methyl-fluorenyl))
zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo-(tetramethylcyclopentadienyl) zirconium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;

(2-hydroxyethyl)(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(3-hydroxypropyl)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
2-hydroxyethyl-methoxy(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(2-hydroxyethoxy)(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(cylopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(1-indenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(9-fluorenyl) zirconium dichloride;
(2-hydroxyethyl)-(dimethyl)silyl-(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(1-(3-(3-hydroxypropyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
ethylidene(1-(3-(2-hydroxyethyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(2-hydroxyethyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(1-(3-(3-hydroxypropyl)-indenyl))(cyclopentadienyl) zirconium dichloride;
isopropylidene(1-(3-(2-hydroxyethyl)-indenyl))(cyclopentadienyl) zirconium dichloride; and
isopropylidene(1-(3-(3-hydroxypropyl)-indenyl))(cyclopentadienyl) zirconium dichloride.

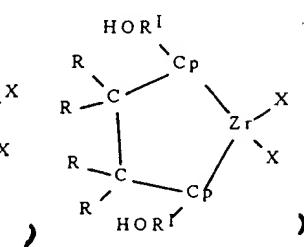
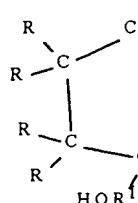
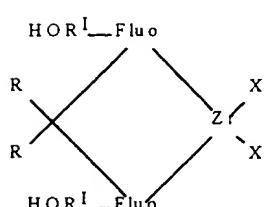
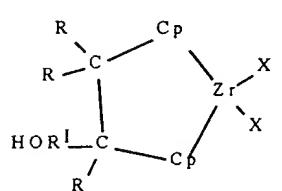
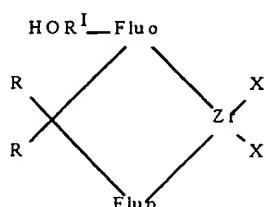
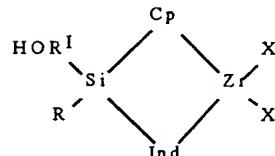
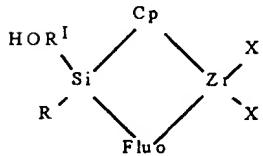
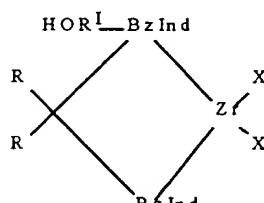
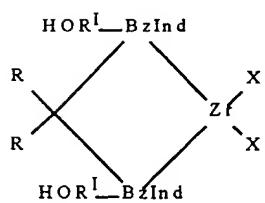
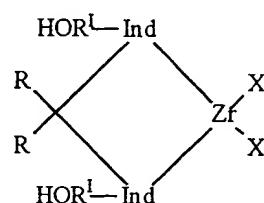
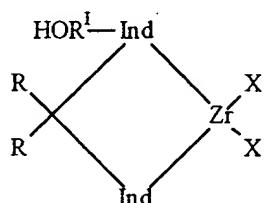
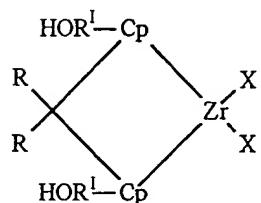
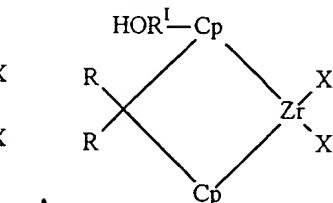
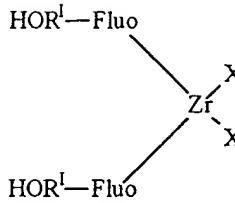
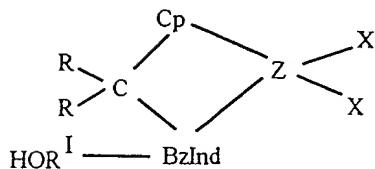
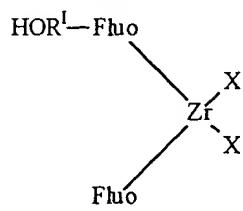
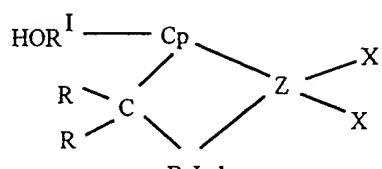
18. A heterogeneous catalytic component as claimed in Claim 1, wherein the metallocene compound is selected from the group consisting of:



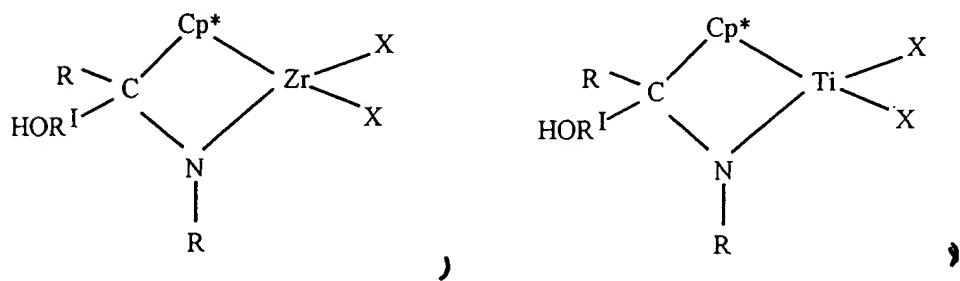
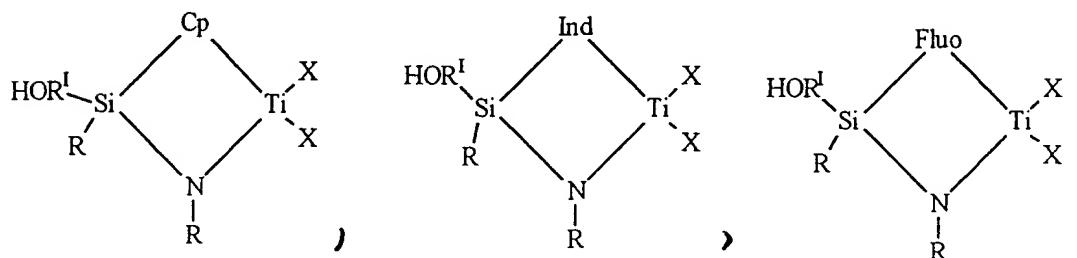
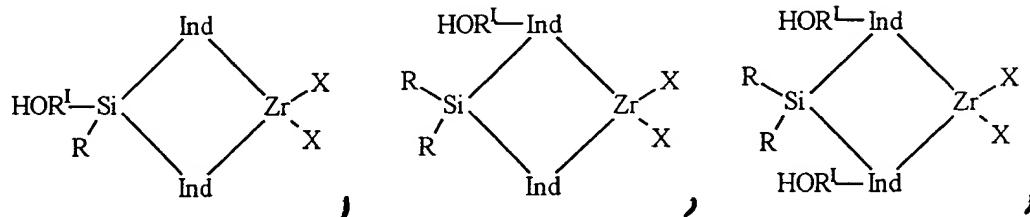
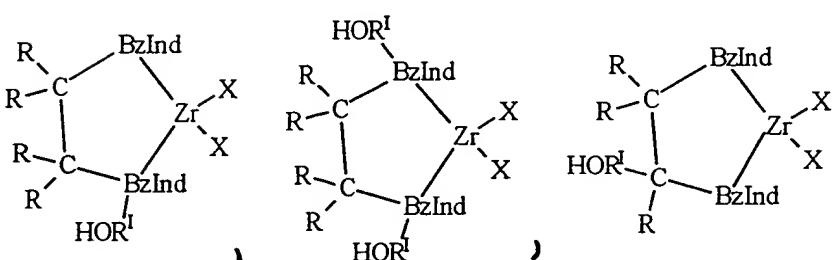
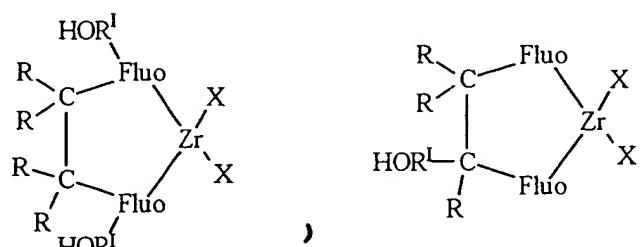
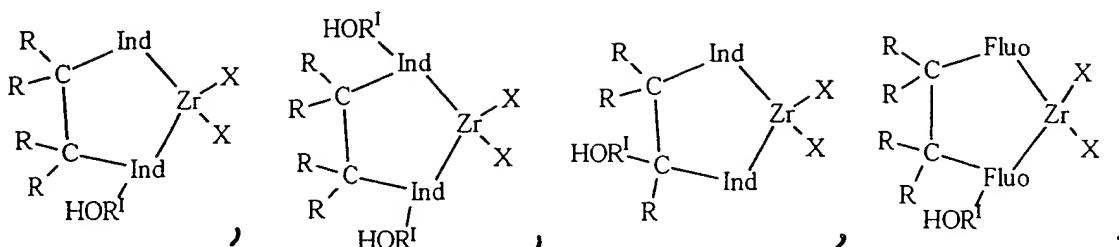
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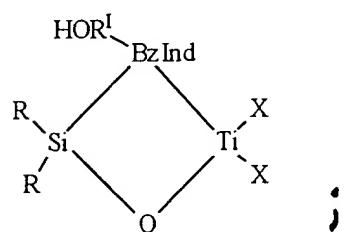
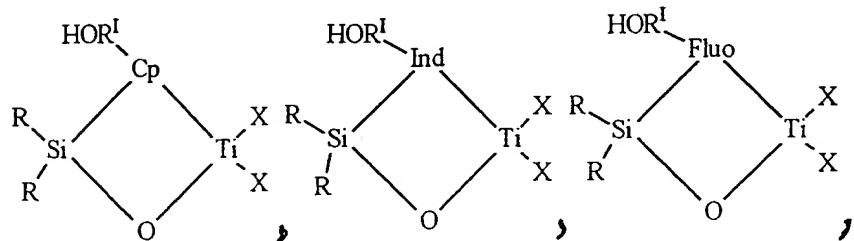
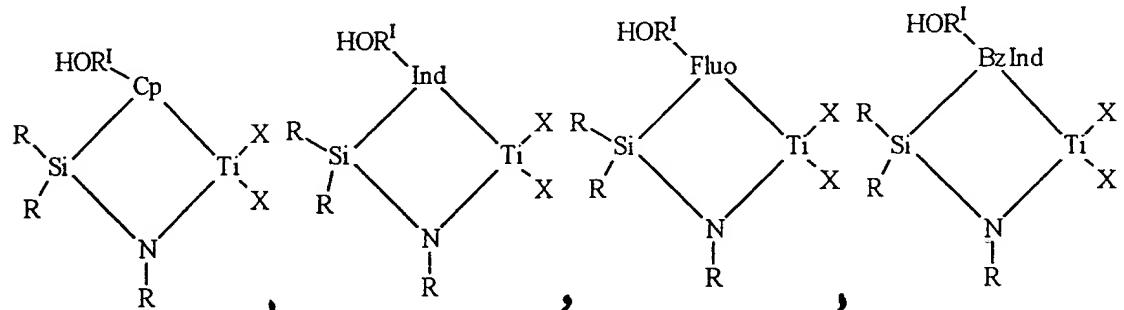
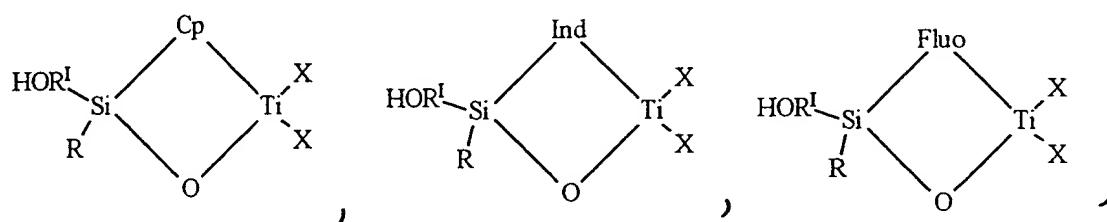
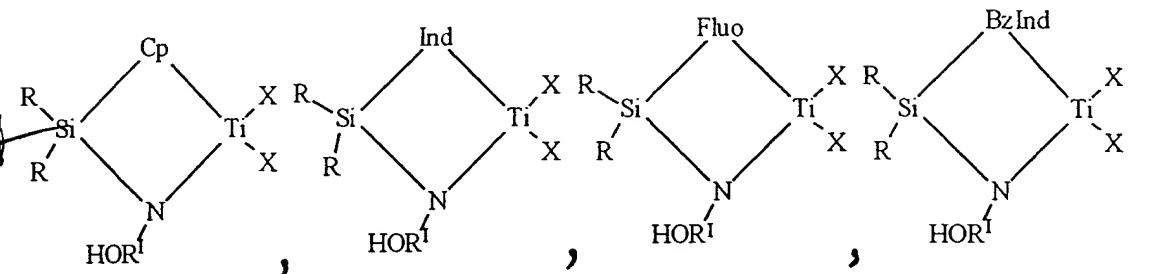
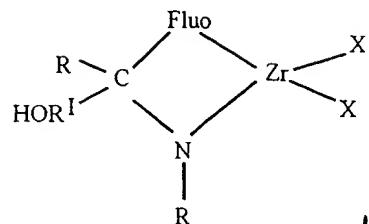
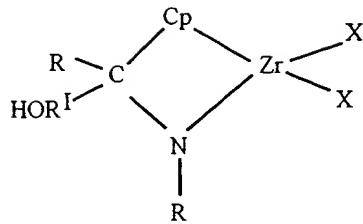
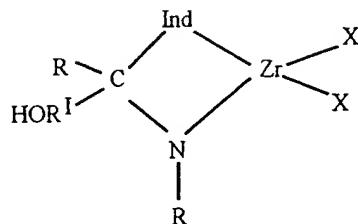
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August 21, 2000



August 21, 2000



*and*

wherein:

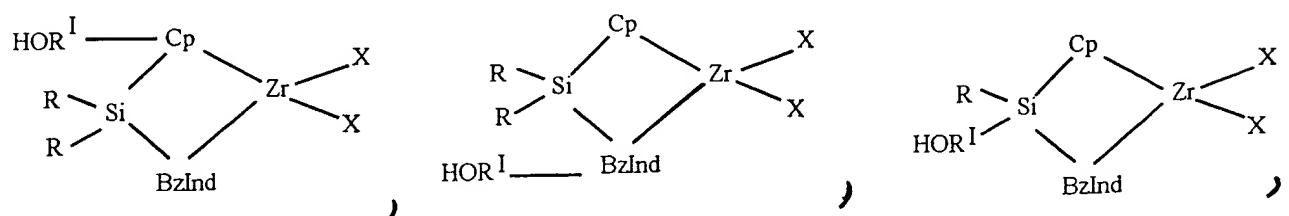
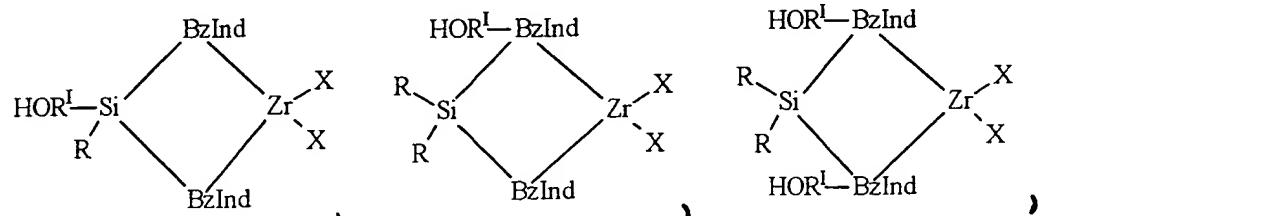
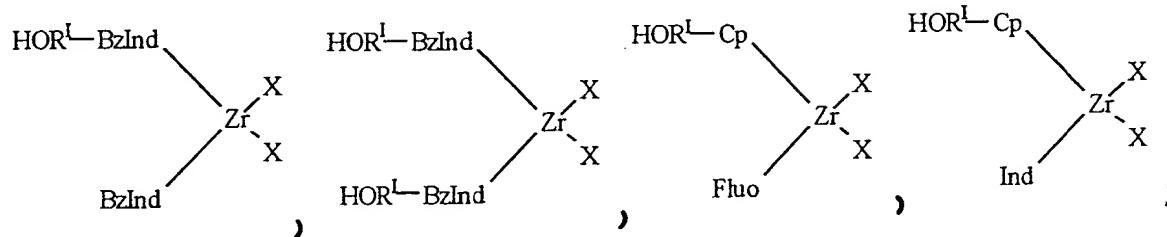
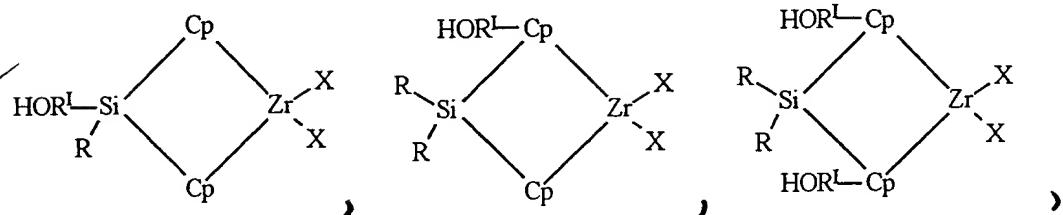
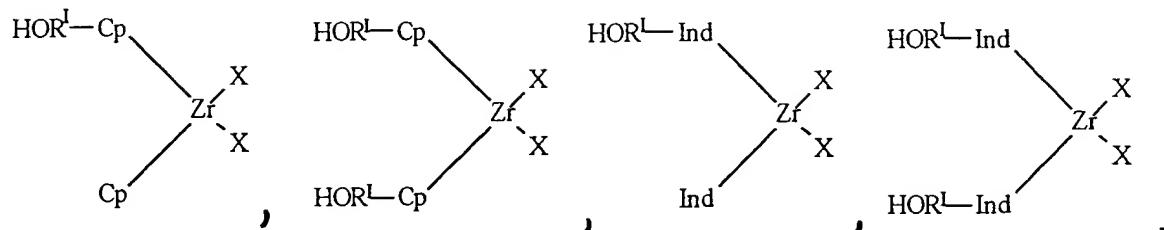
C_p is cyclopentadienyl optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl;

Ind is indenyl optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl;

BzInd is benzoindenyl optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl; and

Fluo is a fluorenyl ring optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl.

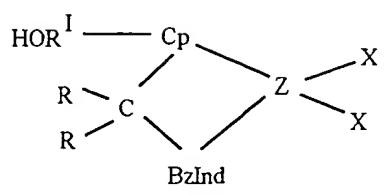
19. A heterogeneous catalytic component as claimed in Claim 6, wherein the metallocene compound is selected from the group consisting of:



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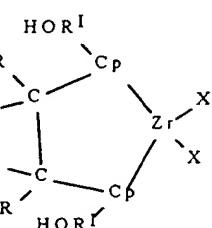
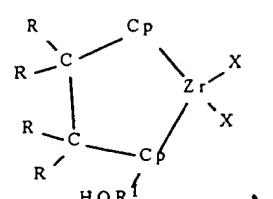
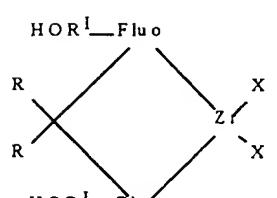
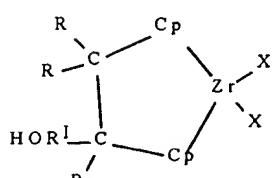
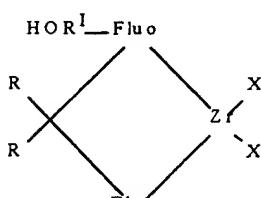
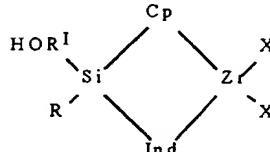
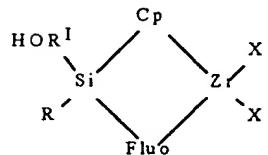
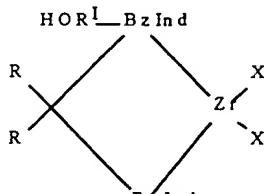
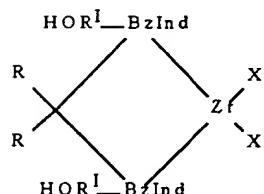
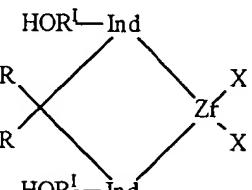
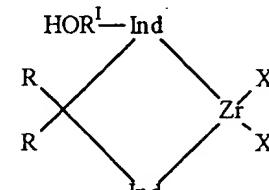
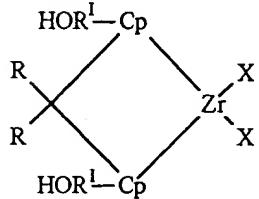
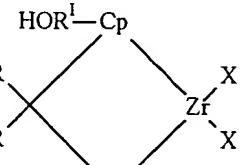
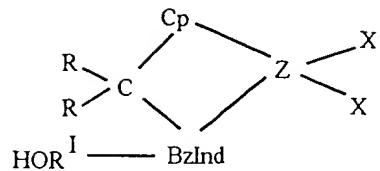
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$\text{HOR}^I - \text{Fluo}$

$\text{Zr} - \text{X}$

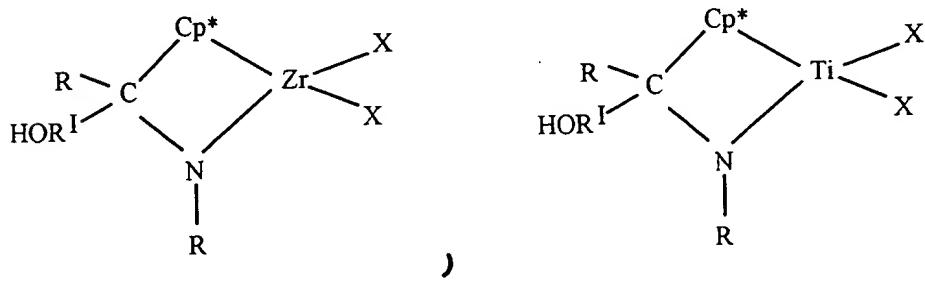
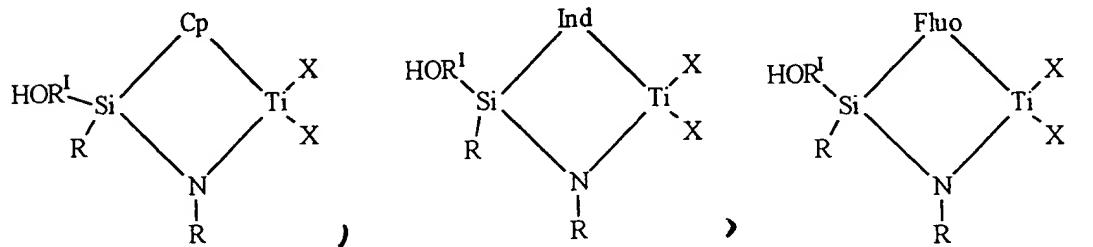
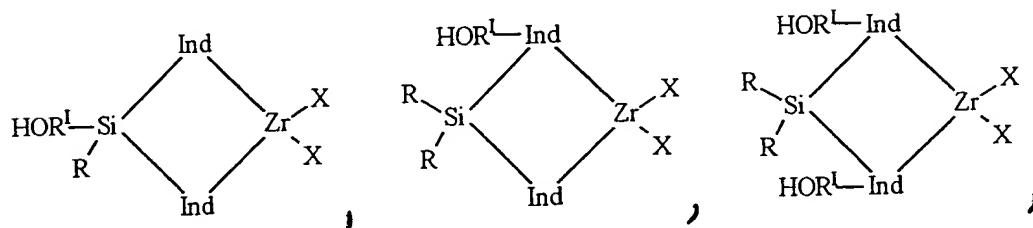
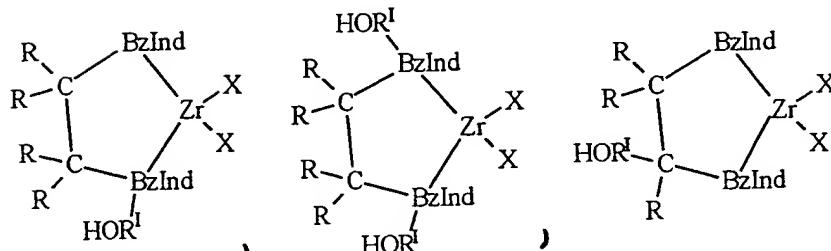
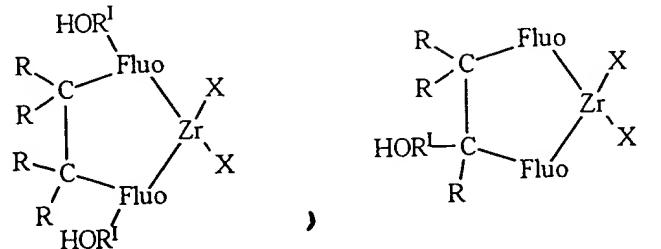
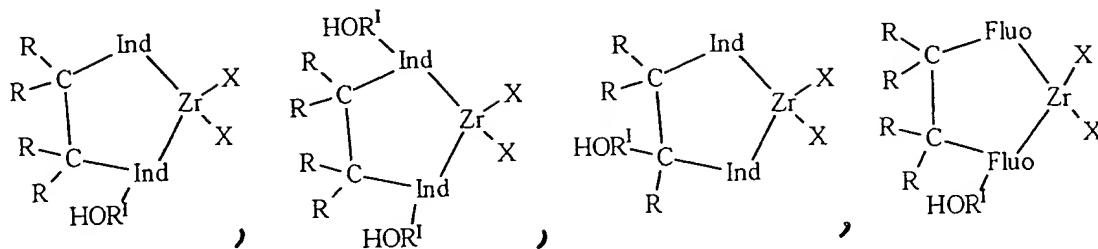
Fluo

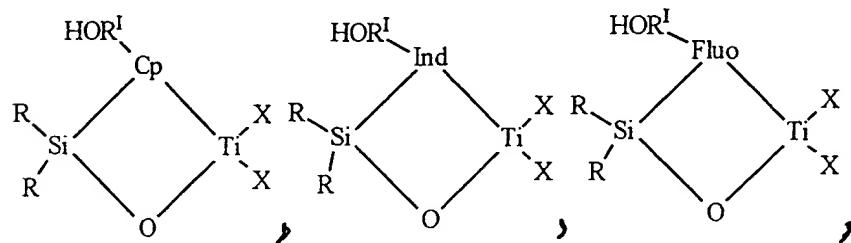
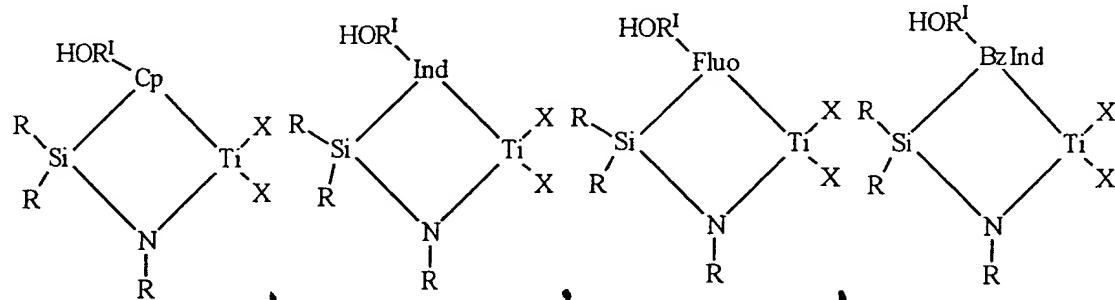
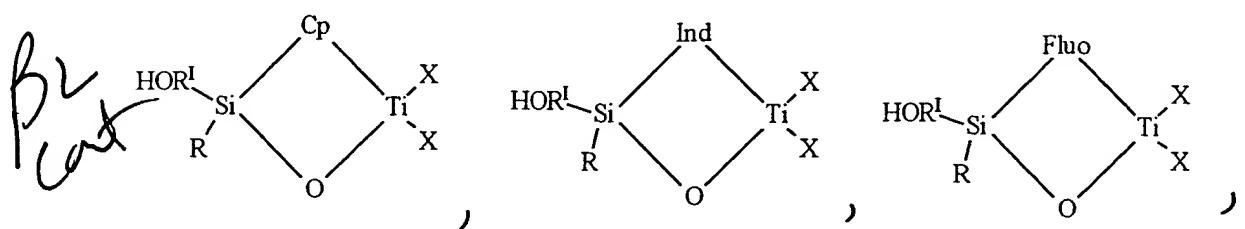
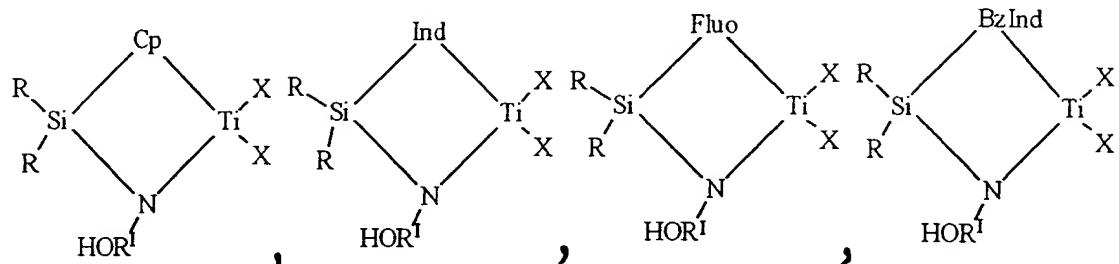
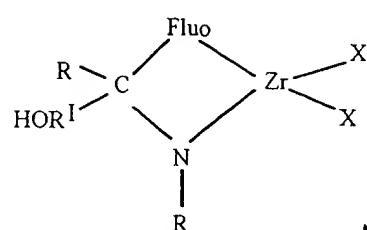
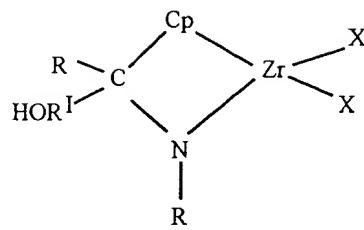
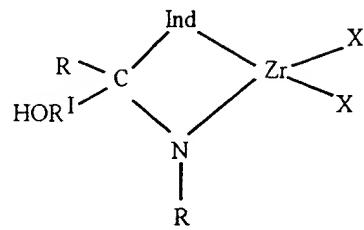
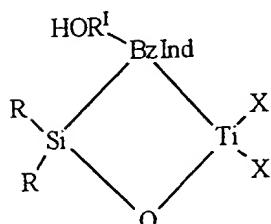


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*and*

wherein:

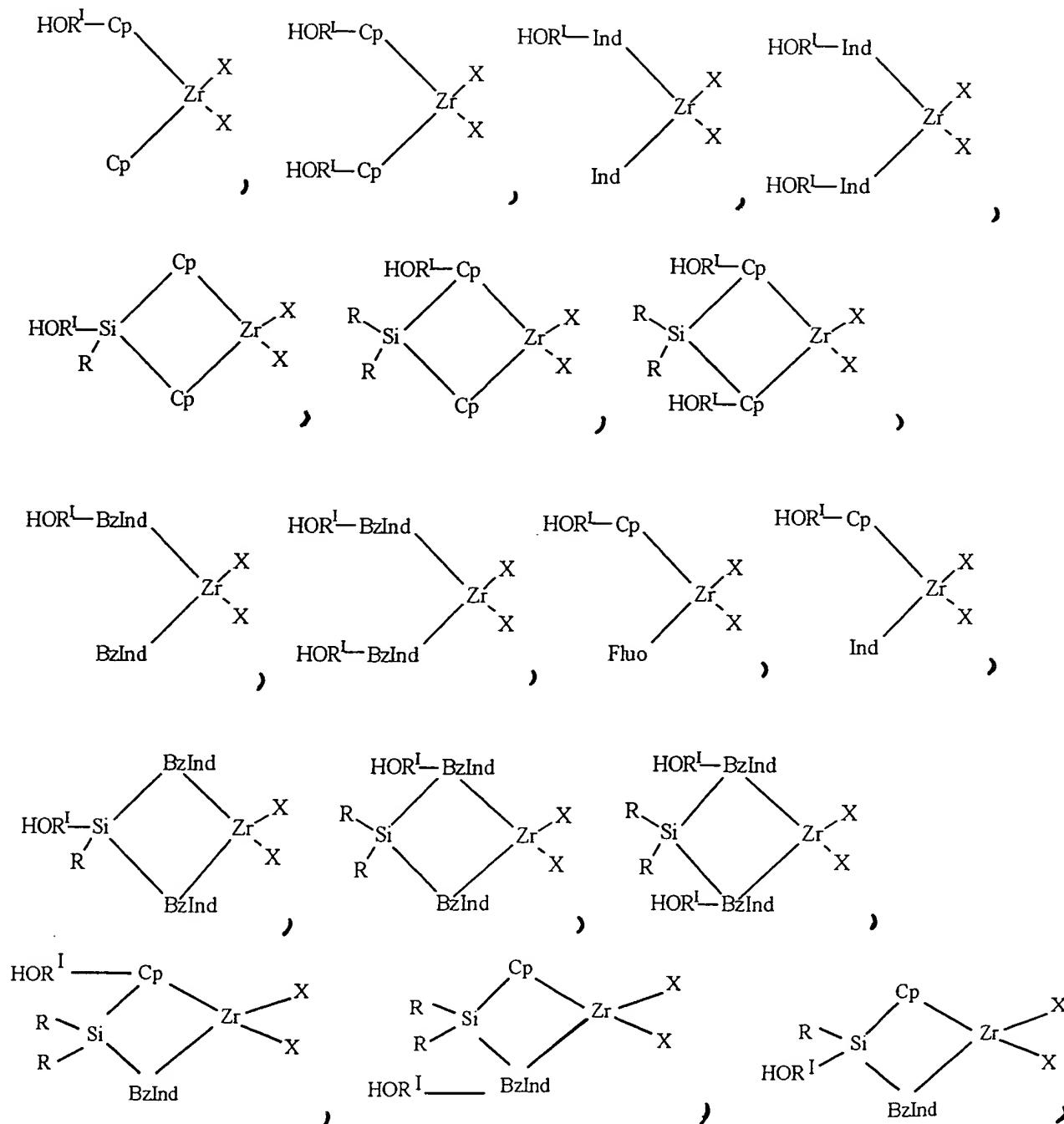
C_p is cyclopentadienyl optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl;

Ind is indenyl optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl;

BzInd is benzoindenyl optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl; and

Fluo is a fluorenyl ring optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl.

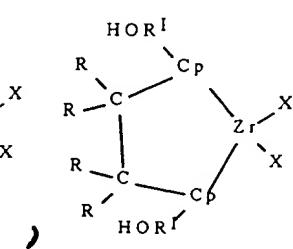
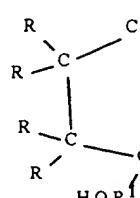
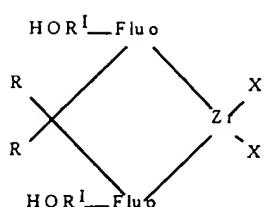
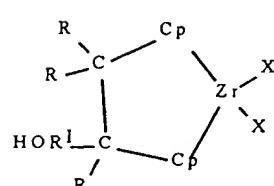
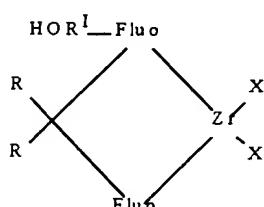
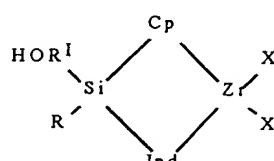
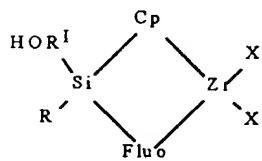
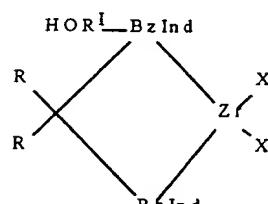
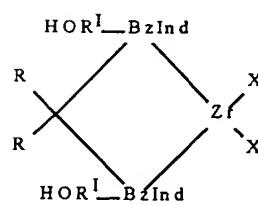
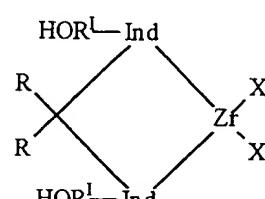
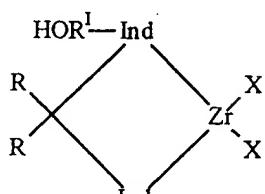
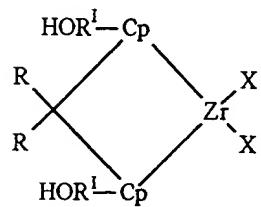
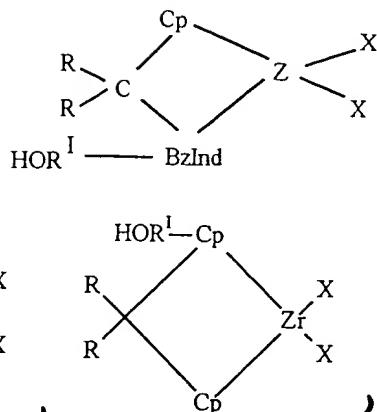
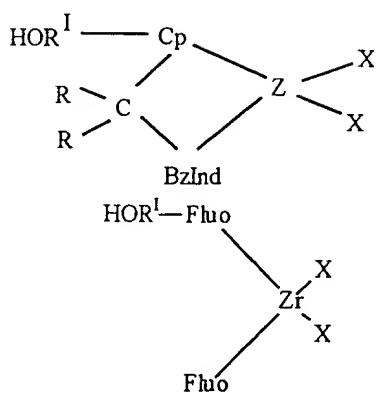
20. A heterogeneous catalytic system as claimed in Claim 8, wherein the metallocene compound is selected from the group consisting of:



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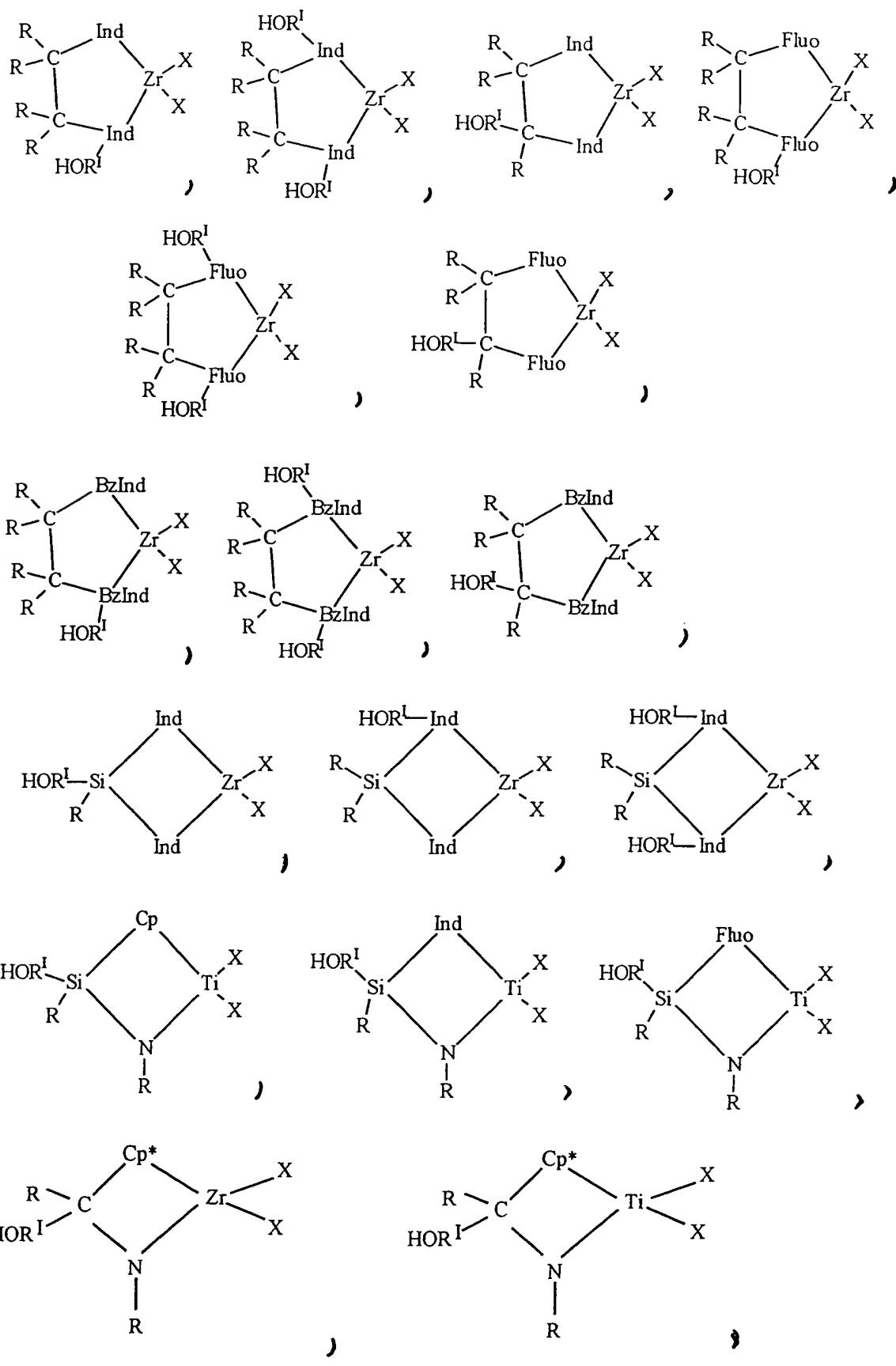
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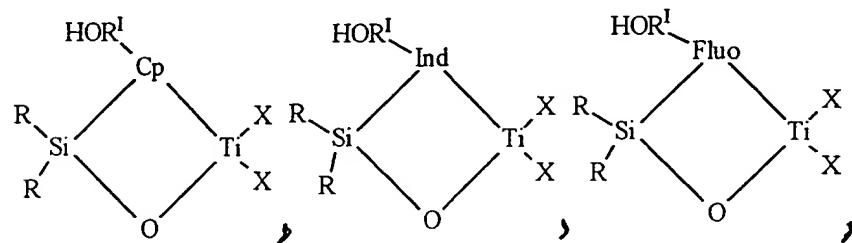
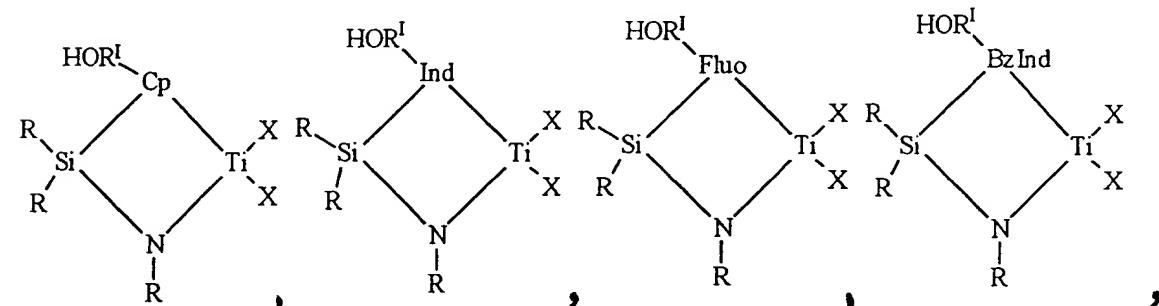
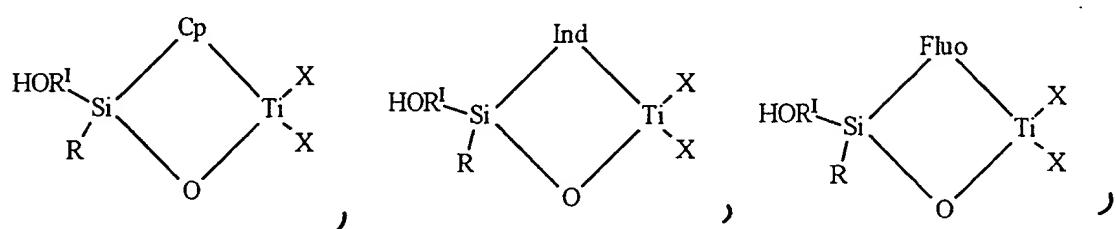
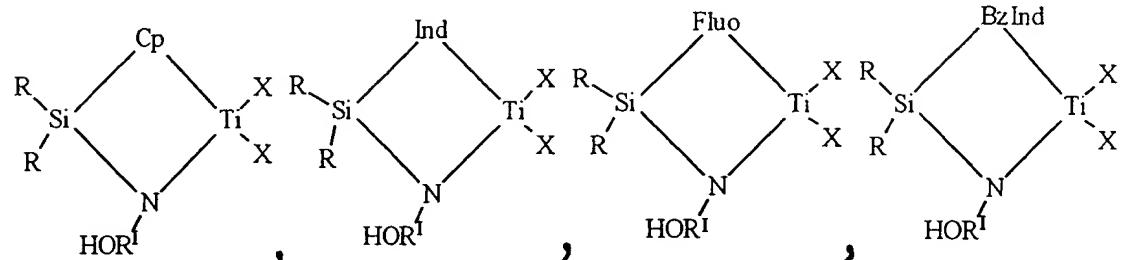
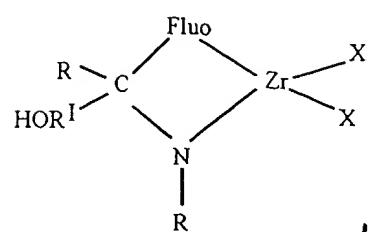
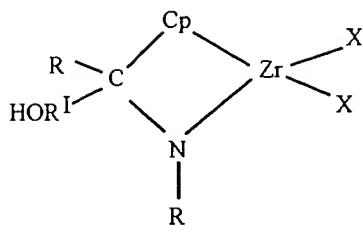
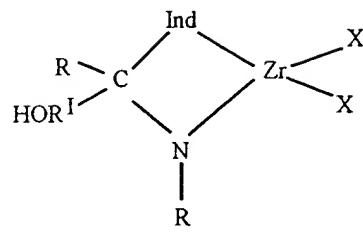
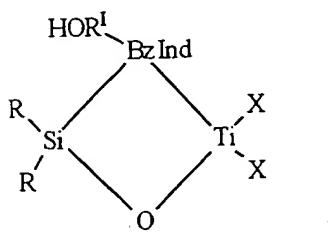


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*and*

wherein:

E1
C_p is cyclopentadienyl optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl;

B2
Ind is indenyl optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl;

Conc
BzInd is benzoindenyl optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl; and

Fluo is a fluorenyl ring optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkylaryl.

ADD D2

REMARKS

This response is being submitted within one month after the shortened one-month statutory period set for responding to the Office Action mailed on June 20, 2000. Therefore, a petition and a fee for a one-month extension are enclosed herewith.